UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

68218 7590 11/29/2010

TOWNSEND AND TOWNSEND AND CREW, LLP/PIXAR
TWO EMBARCADERO CENTER
EIGHTH FLOOR
SAN FRANCISCO, CA 94111-3834

EXAMINER	
NGUYEN, PHU K	
ART UNIT	PAPER NUMBER
2628	

DATE MAILED: 11/29/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/684,320	10/09/2003	Anthony A Apodaca	021751-003010US	9426

TITLE OF INVENTION: STOCHASTIC LEVEL OF DETAIL IN COMPUTER ANIMATION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	$1510	$0	$0	$1510	02/28/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:	If the SMALL ENTITY is shown as NO:
A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.	A. Pay TOTAL FEE(S) DUE shown above, or
B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or	B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

68218 7590 11/29/2010

TOWNSEND AND TOWNSEND AND CREW, LLP/PIXAR
TWO EMBARCADERO CENTER
EIGHTH FLOOR
SAN FRANCISCO, CA 94111-3834

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)

(Signature)

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/684,320	10/09/2003	Anthony A Apodaca	021751-003010US	9426

TITLE OF INVENTION: STOCHASTIC LEVEL OF DETAIL IN COMPUTER ANIMATION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	$1510	$0	$0	$1510	02/28/2011

EXAMINER	ART UNIT	CLASS-SUBCLASS
NGUYEN, PHU K	2628	345-428000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 ______________________

2 ______________________

3 ______________________

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

☐ Issue Fee

☐ Publication Fee (No small entity discount permitted)

☐ Advance Order - # of Copies ______________________

4b. Payment of Fee(s): **(Please first reapply any previously paid issue fee shown above)**

☐ A check is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number ____________ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)

☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature ______________________ Date ______________________

Typed or printed name ______________________ Registration No. ______________________

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/684,320	10/09/2003	Anthony A Apodaca	021751-003010US	9426

68218 7590 11/29/2010

TOWNSEND AND TOWNSEND AND CREW, LLP/PIXAR
TWO EMBARCADERO CENTER
EIGHTH FLOOR
SAN FRANCISCO, CA 94111-3834

EXAMINER	
NGUYEN, PHU K	
ART UNIT	PAPER NUMBER
2628	

DATE MAILED: 11/29/2010

Determination of Patent Term Extension or Adjustment under 35 U.S.C. 154 (b)

A reissue patent is for "the unexpired part of the term of the original patent." See 35 U.S.C. 251. Accordingly, the above-identified reissue application is not eligible for Patent Term Extension or Adjustment under 35 U.S.C. 154(b).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability	**Application No.** 10/684,320	**Applicant(s)** APODACA ET AL.	
	Examiner PHU NGUYEN	**Art Unit** 2628	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *6/18/2010*.

2. ☒ The allowed claim(s) is/are *1-7,9-27,29-36,38 and 40-44*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    a) ☐ All b) ☐ Some* c) ☐ None of the:
        1. ☐ Certified copies of the priority documents have been received.
        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
    * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE “MAILING DATE” of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER’S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as “replacement sheets”) must be submitted.
    (a) ☐ including changes required by the Notice of Draftsperson’s Patent Drawing Review (PTO-948) attached
        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
    (b) ☐ including changes required by the attached Examiner’s Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner’s comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

/ Phu K. Nguyen/
Primary Examiner, Art Unit 2628

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

18. (currently amended) A memory for a computer system including a processor, the memory comprising:

code that directs the processor to determine a first plurality of sampling locations pseudorandomly associated with at least a portion of a first representation of an object and to
determine a second plurality of sampling locations pseudorandomly associated with at least a portion of the second representation of the object store a plurality of different representations of an object in a scene to be rendered;
code that directs the processor to render locations in the portion of the first representation of the object associated with the first plurality of sampling locations to obtain first sampled values select a plurality of sample locations within an area of a pixel of an image;
code that directs the processor to render locations in the portion of the second representation of the object associated with the second plurality of sampling locations to obtain second sampled values associate with each of said sample locations one of said

plurality of different representations, wherein each of said plurality of different representations is pseudorandomly associated with one of said sample locations;

code that directs the processor to combine the first sampled values for the first plurality of sampling locations and the second sampled values for the second plurality of sampling locations to form at least one sampled value for the portion of the object compute an image contribution at each of said sample locations based on the associated one of said plurality of different representations; and

code that directs the processor to record the at least one sampled value as part of an image combine said image contributions computed at each of said sample locations to form the image;

wherein the first plurality of sampling locations are not identical to the second plurality of sampling locations;

wherein the codes reside on a tangible media.

19. (currently amended) The memory of claim 18 wherein the code that directs the processor to pseudorandomly ~~determine a first plurality of sampling~~ locations select the plurality of sample locations within the area of the pixel comprises code that directs the processor to stochastically determine the ~~first~~ plurality of sampling locations.

20. (currently amended) The memory of claim 18 wherein the plurality of different representations includes a first representation of the portion of the object and a second representation of the portion of the object that are different; and

wherein the first representation of the portion of the object and the second representation of the portion of the object comprise different geometric characteristics selected from the group consisting of: geometric primitives, geometric topology, displacement maps.

21. (currently amended) The memory of claim 18 wherein the plurality of different representations includes a first representation of the portion of the object and a second representation of the portion of the object that are different; and
wherein the first representation of the portion of the object and the second representation of the portion of the object comprise different levels of detail.

22. (currently amended) The memory of claim 18 wherein the plurality of different representations includes a first representation of the portion of the object and a second representation of the portion of the object that are different; and
wherein the first representation of the portion of the object and the second representation of the portion of the object comprise different shading paradigms selected from the group consisting of: texture maps, colors, materials, surface maps, displacement maps.

23. (currently amended) The memory of claim 18 wherein the code that directs the processor to determine the first plurality of sampling locations associated with at least

the portion of the first representation of an object and to determine the second plurality of sampling locations associated with at least the portion of the second representation of the object associate with each of said sample locations one of said plurality of different representation comprises:

code that directs the processor to determine a plurality of sampling locations associated with a portion of an object: and

code that directs the processor to determine [[the]] a first plurality of sampling locations and [[the]] _a second plurality of sampling locations from the plurality of sampling locations.

24. (currently amended) The memory of claim 18 wherein the plurality of different representations includes a first representation of the portion of the object and a second representation of the portion of the object that are different; and

wherein code that directs the processor to ~~determine the first plurality of sampling locations and the second plurality of sampling locations from the plurality of sampling locations~~ associate with each of said sample locations one of said plurality of different representation comprises code that directs the processor to determine a weighted distribution for ~~the~~ a first plurality of sampling locations associated with the first representation of the portion of the object and ~~the~~ a second plurality of sampling locations associated with the second representation of the portion of the object from the plurality of sampling locations in response to a factor selected from the group consisting of: a size of the portion of the object in a scene, a viewing angle with respect to the portion of the object.

25. (currently amended) The memory of claim ~~22~~ 18 wherein the plurality of different representations includes a first representation of the portion of the object and a second representation of the portion of the object that are different; and

wherein code that directs the processor to ~~determine the first plurality of sampling locations and the second plurality of sampling locations from the plurality of sampling locations~~ associate with each of said sample locations one of said plurality of different representation comprises code that directs the processor to determine a number of sampling locations for ~~the~~ a first plurality of sampling locations associated with the first representation of the portion of the object from the plurality of sampling locations in response to importance of the object in a scene.

26. (currently amended) The memory of claim ~~22~~ 18 wherein the plurality of different representations includes a first representation of the portion of the object and a second representation of the portion of the object that are different; and

wherein code that directs the processor ~~to determine the first plurality of sampling locations and the second plurality of sampling locations from the plurality of sampling locations~~ associate with each of said sample locations one of said plurality of different representation comprises code that directs the processor to determine a number of sampling locations for [[the]] a first plurality of sampling locations associated with the first representation of the portion of the object from the plurality of sampling locations in response to a rendering performance cost for rendering the sampling locations ~~in the portion of the first representation~~ of the ~~portion~~ of the ~~object associated with the first plurality of sampling locations.~~

27. (currently amended) The memory of claim ~~22~~ 18 wherein the plurality of different representations includes a first representation of the portion of the object and a second representation of the portion of the object that are different; and

wherein the first representation of the portion of the object and the second representation of the portion of the object are associated with ~~differences~~ properties selected from the group consisting of: chronological times, camera characteristics, object orientations.

28. (canceled)

29. (currently amended) An apparatus comprising:

a memory configured to store a first representation of a portion of an object and to store a second representation of the portion of the object: and

a processor coupled to the memory, wherein the processor is configured to determine locations within an area of a pixel, wherein the processor is configured to pseudorandomly associate a first representation of the portion of the object with a first

plurality of locations to determine a first plurality of sampled values, wherein the processor is configured to pseudorandomly associate a second representation of the portion of the object with a second
plurality of locations to determine a second plurality of sampled values, wherein the processor is configure to combine the first plurality of sampled values and the second plurality of sampled values to determine a value for a pixel associated with the object;
wherein the processor is configured to pseudo-randomly determine the plurality of locations of the object associated with the pixel in the image;
wherein the first plurality of locations are not identical to the second plurality of locations: and
wherein the memory is also configured to store the value for the pixel in an image.

30. (previously presented) The apparatus of claim 29
wherein the processor is also configured to determine the plurality of locations of the object, and
wherein the processor is configured to determine the first plurality of locations from the plurality of locations.

31. (previously presented) The apparatus of claim 30 wherein the processor is also configured to determine a ratio between a number of locations in the first plurality of locations and a number of locations in the second plurality of locations.

32. (currently amended) The apparatus of claim 30 wherein the processor is also configured to determine a number of locations in the first plurality of locations from a number of locations from the plurality of locations in response a factor selected from to one of the group consisting of: viewing angle with respect to at least the portion of the object, importance of the object in a scene, rendering performance cost for rendering the object at the first plurality of locations.

33. (currently amended) The apparatus of claim 30 wherein the first representation of the portion of the object and the second representation of the portion of the object are different and are comprise ~~differences~~ selected from the group consisting of: different geometric primitives, different geometric topologies, different levels of detail, different bump maps.

34. (previously presented) The apparatus of claim 30 wherein the processor is also configured to render the first representation of the object and render the second representation of the object.

35. (currently amended) The apparatus of claim 34 wherein the first representation of the portion of the object and the second representation of the portion of the object are

different and are comprise differences selected from the group of properties consisting of: ~~different~~ times, ~~different~~ camera characteristics, ~~different~~ object positions.

36. (currently amended) The apparatus of claim 30 wherein the first representation of the portion of the object and the second representation of the portion of the object are different and comprise g4gerent shading parameters selected from the group consisting of: texture maps, colors, materials, surface maps, displacement maps.

37. (canceled)

38. (currently amended) The apparatus of claim 29 wherein the plurality of sample locations ~~of the object~~ are associated with sub-pixel locations in the pixel.

39. (canceled)

40. (previously presented) The method of claim 1
wherein the plurality of different representations of an object comprise a first representation and a second representation,
wherein the plurality of sample locations comprise a first plurality of sample locations and a second plurality of sample locations,
wherein associating with each of said sample locations comprises associating the first

plurality of sample locations with the first representation and the second plurality of sample locations with the second representation:

wherein computing the image contribution comprises computing sample values from the first plurality of sample locations and computing sample values from the second plurality of sample locations, and

wherein combining said image contributions comprises combining the sample values from the first plurality of sample locations and the sample values from the second plurality of sample locations to determine a value of the pixel in the image.

41. (currently amended) The method of claim 40 wherein a number of sample locations in the first plurality of sample locations is determined in response to a variable selected from the group consisting of: viewing angle with respect to a surface of the object, importance of the object in a scene, rendering performance cost for rendering the object using the first representation of the object, orientation of the object.

42. (currently amended) The method of claim 40 wherein the first representation and the second representation have differences selected from the group consisting of: different shading paradigms, different texture maps, different surface properties, displacement maps.

43. (currently amended) The method of claim 40 wherein the first representation and the second representation have differences selected from the group consisting of: different geometric primitives, different geometric topologies, different levels of detail, different bump maps.

44. (currently amended) The method of claim 40 wherein the first representation of the object and the second representation of the object have differences selected from the group consisting of: different camera times, different lens characteristics, different orientation of the object.

45. (canceled)

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PHU NGUYEN whose telephone number is (571)272-7645. The examiner can normally be reached on M-F/8AM-4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kee Tung can be reached on (571) 272 7794. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/ Phu K. Nguyen/
Primary Examiner, Art Unit 2628